

# 8<sup>th</sup> Street Restriping Study

Presented By:  
**URS Corporation**

November 10, 2014

# Daily Traffic Counts

## EAST – WEST STREETS

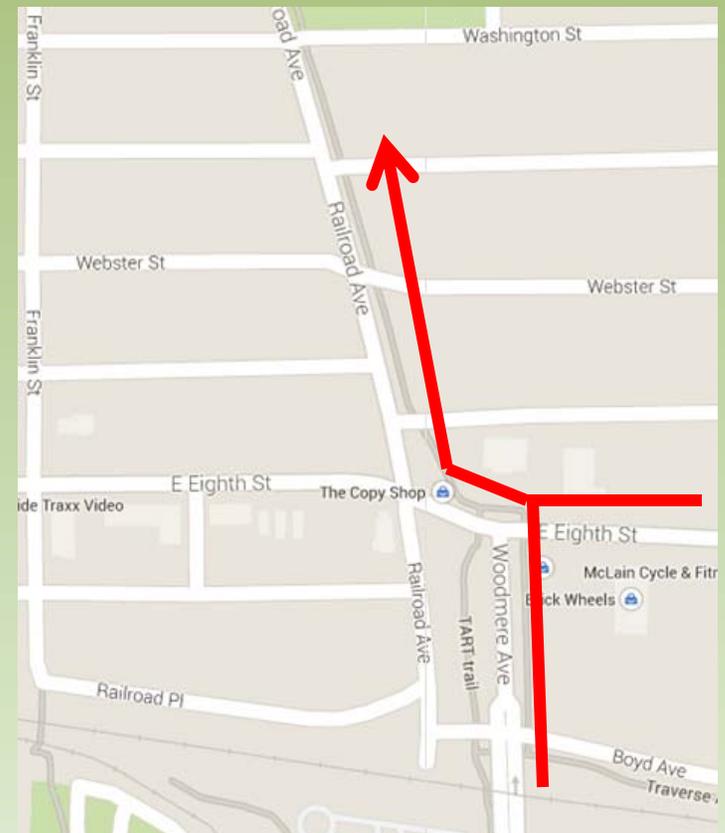
- 8<sup>th</sup> Street traffic volumes increased (due to construction in the “before” period)
- South Airport Road traffic volumes increased by 2%
- Negligible change on other east-west streets



# Daily Traffic Counts

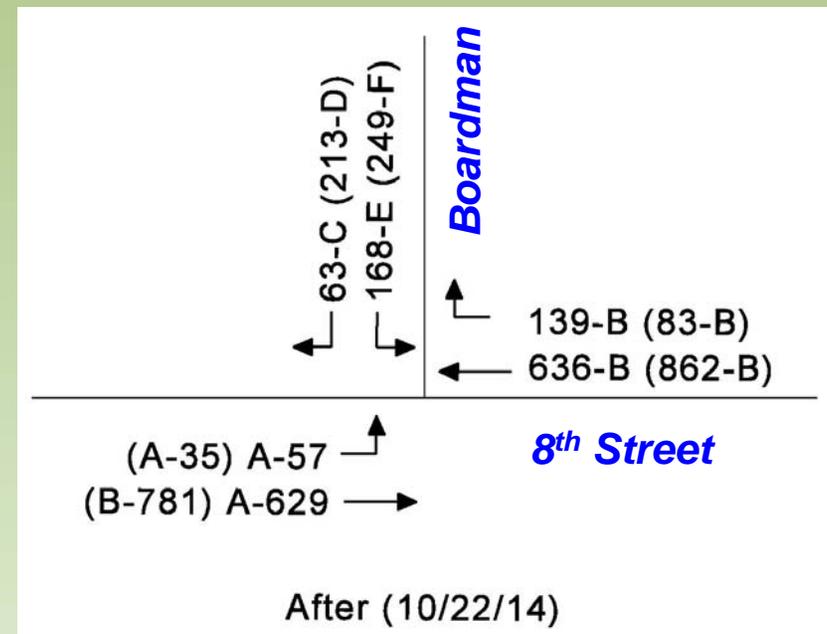
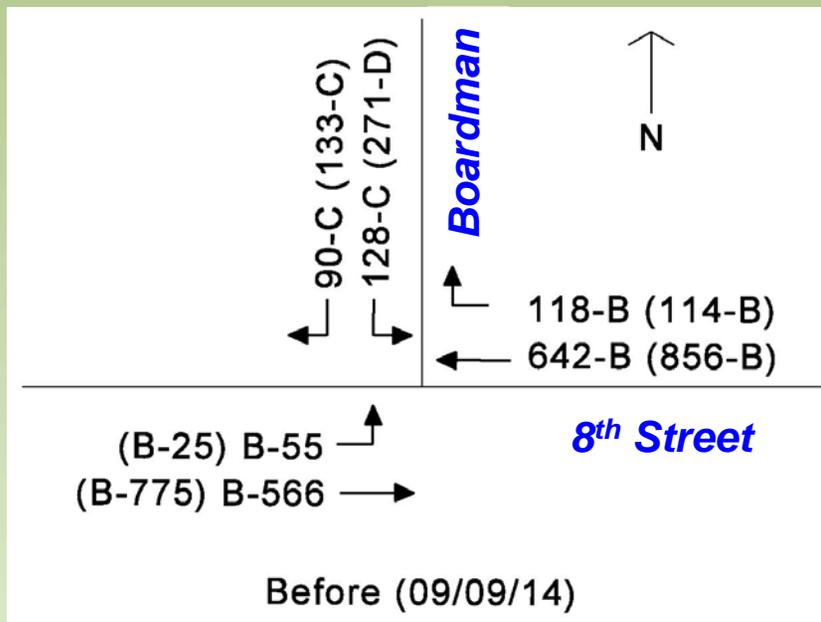
## NORTH – SOUTH STREETS

- Boardman Avenue traffic increased (due to construction in the “before” period)
- Woodmere Avenue traffic decreased by 2%
- Railroad Street traffic increased by 50%
  - 1,099 vehicles per day to 1,619 vehicles per day
  - All northbound



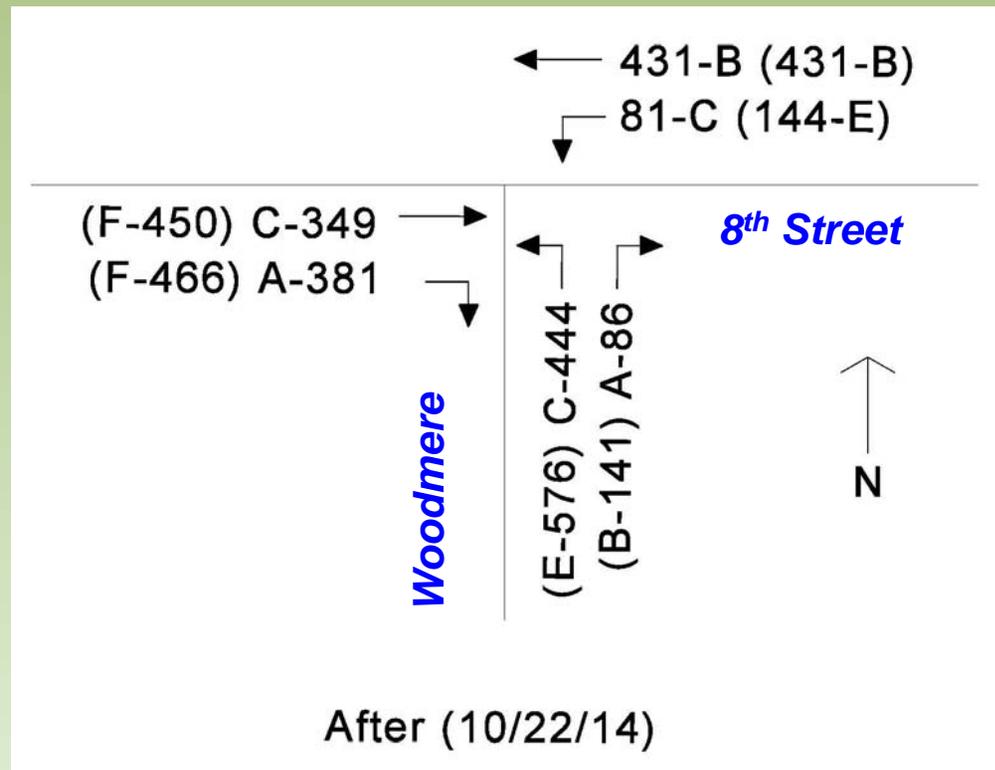
# 8<sup>th</sup>/Boardman

- Peak-Hour volumes on 8<sup>th</sup> Street largely unchanged
- Consistent backups between Boardman and Woodmere from 5:00 to 5:30
- More delay for Boardman, “similar” for 8<sup>th</sup> Street
- Assumes 8<sup>th</sup> Street receives 75% of green time



# 8<sup>th</sup>/Woodmere

- Increased delays at Woodmere, particularly during PM peak
  - Eastbound approach
  - Northbound-to-westbound left-turn



# Queue Length Observations

8 <sup>th</sup> Street / Boardman Avenue*						
Peak Hour	EB Left	EB Thru	WB Thru/Right	SB Left	SB Right	
AM	4	12	19	8	3	
PM	3	23	25+	9	7	
8 <sup>th</sup> Street / Woodmere Avenue						
Peak Hour	EB Thru	EB Right	WB Left	WB Thru	NB Left	NB Right
AM	14	1	4	15	16	3
PM	25+	8	8	18	25+	6

# Speeds

- Speeds on 8<sup>th</sup> Street have decreased during non-peak periods

	West of Boardman Avenue		Between Boardman and Woodmere	
	Before	After	Before	After
Average Speed	27 mph	26 mph	29 mph	27 mph
85 <sup>th</sup> Percentile Speed	33 mph	29 mph	34 mph	32 mph

# Crashes

- Six (6) crashes from September 17 to November 2, 2014
  - Three (3) rear-ends due to long queues
    - Two approaching Boardman Street – no injuries
    - One approaching Woodmere Avenue – 2 injuries
  - One driveway crash (near Wellington Street) – 1 injury
  - One rear-end right-turn crash (westbound-to-northbound at Boardman) – 1 injury
  - One bicycle crash (at Riverine Drive) – no injuries
- Four (4) of the crashes occurred in the first week
- No sideswipes or angle crashes in the “after” period
- Crash rate slightly higher than same time periods in 2011, 2012, and 2013

# Considerations

- Increase the density of “bicycle” markings
- Provide a consistent 5-foot bicycle lane in each direction
- Consider seasonal volumes



# Considerations

- Increase storage for eastbound right-turn lane at Woodmere
- Signal would allow more time for Woodmere approach by giving less to eastbound 8<sup>th</sup> Street
- Right-in / Right-out at Railroad Street (both legs)
- Prohibit westbound left-turn at Depot View Drive



# Considerations

- Prohibit westbound left-turns at Woodmere?

